

,

Figure 1

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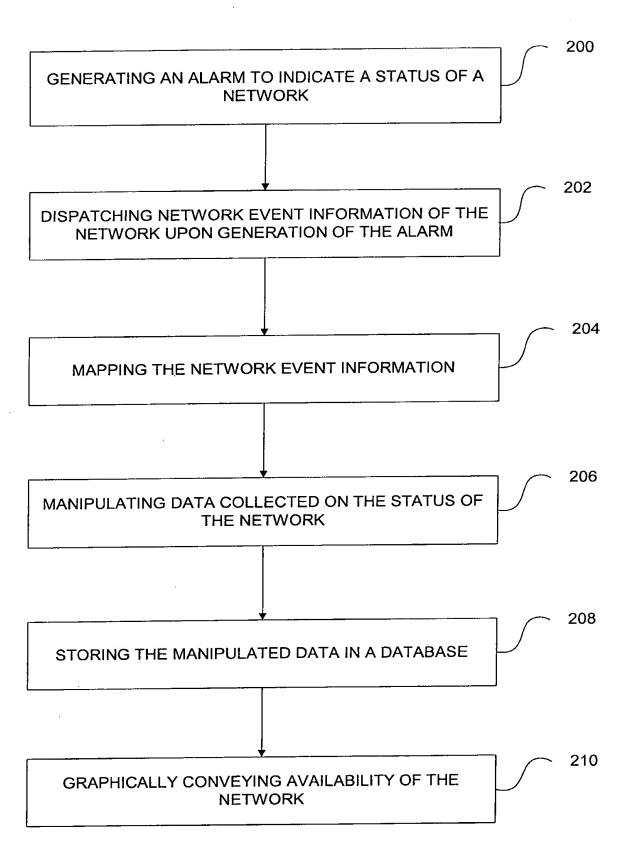


Figure 2

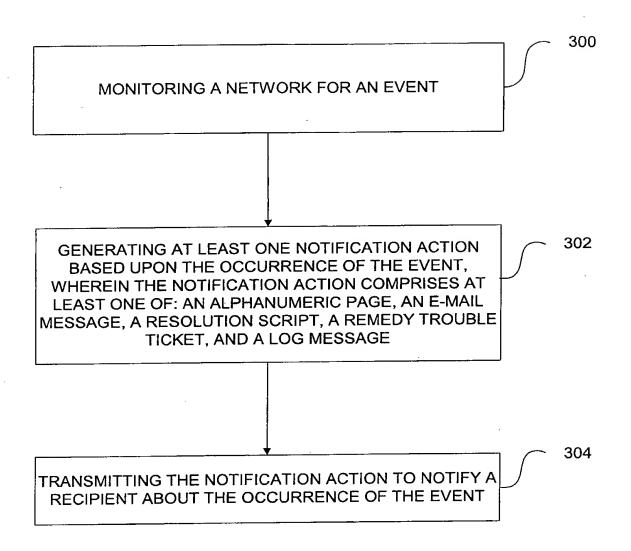


Figure 3

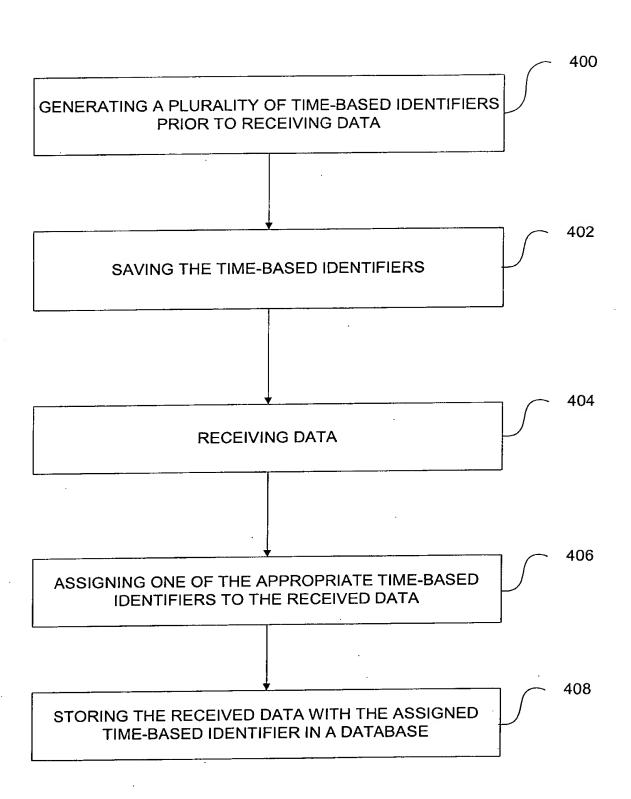


Figure 4

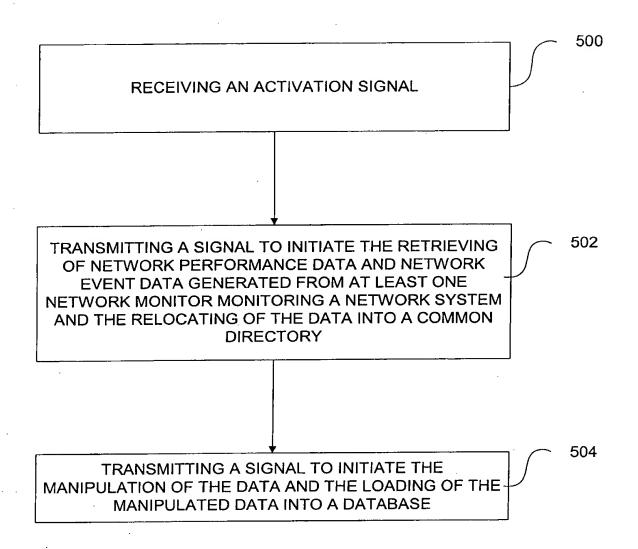
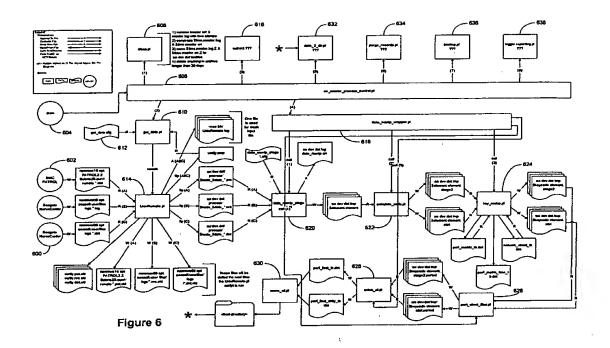


Figure 5



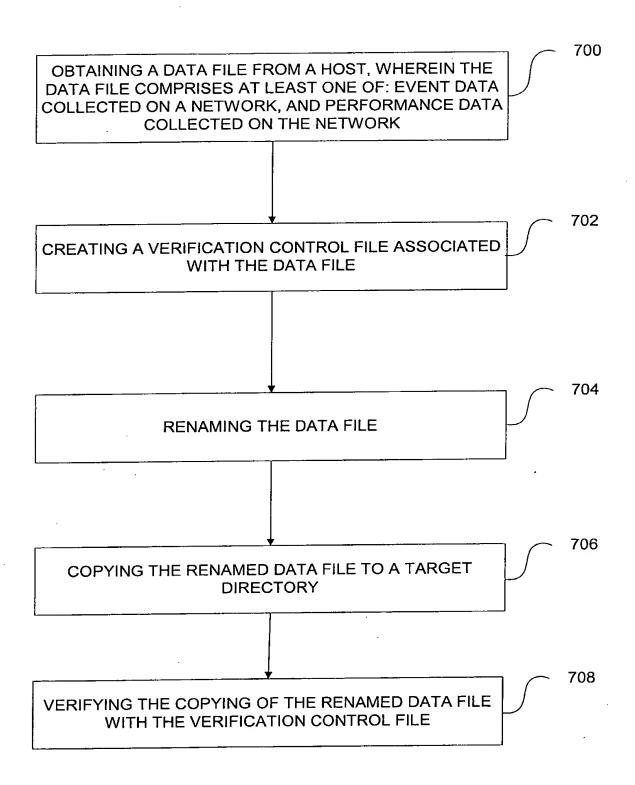
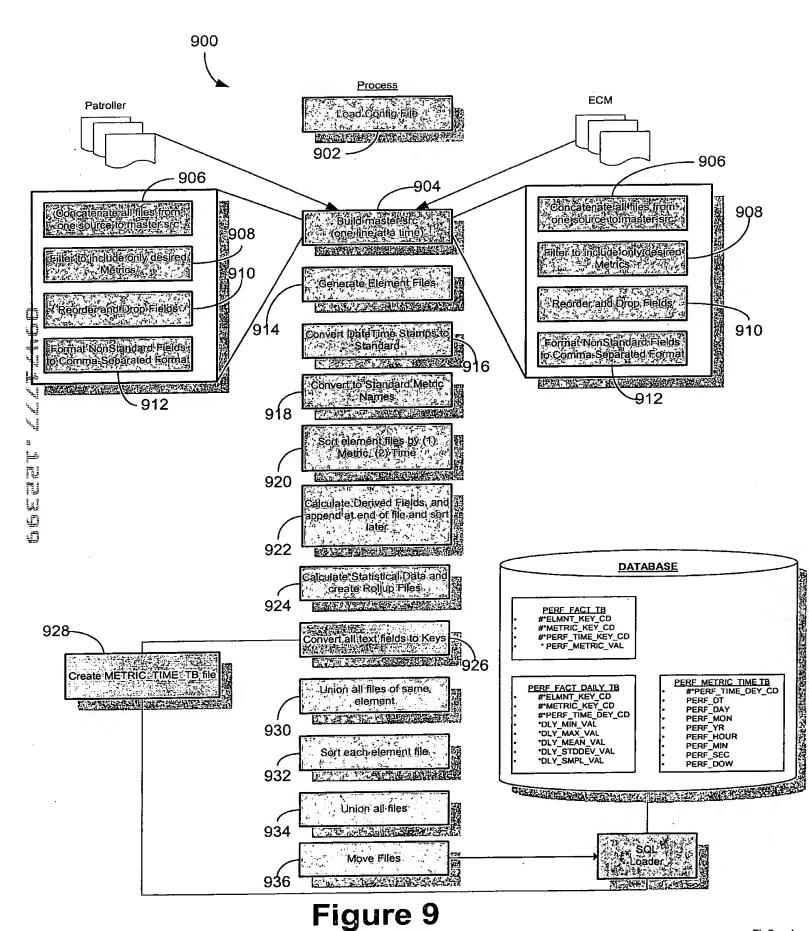


Figure 7

Figure 8



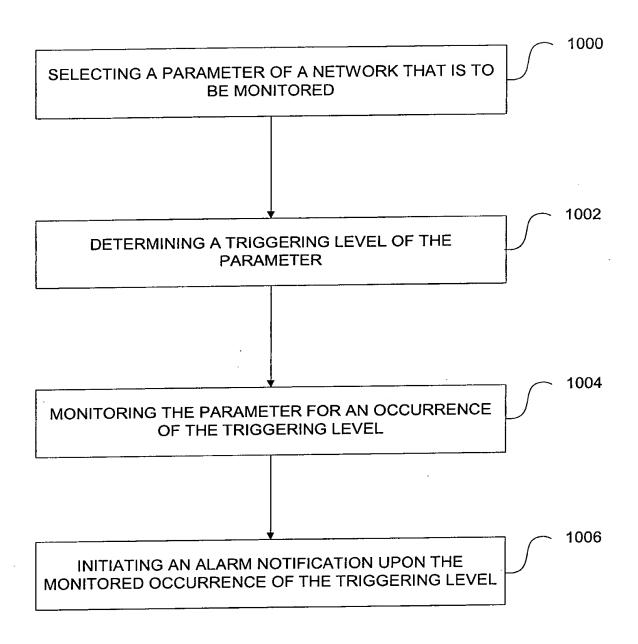


Figure 10

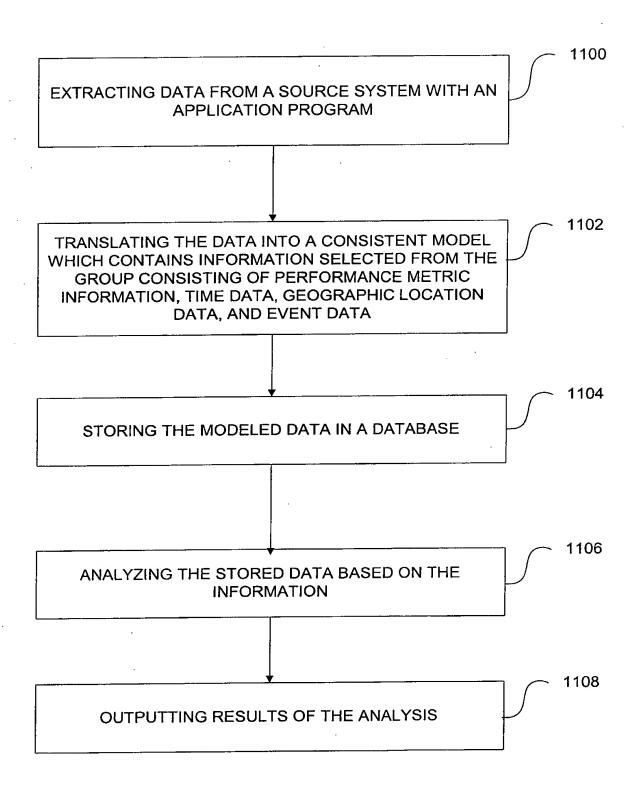


Figure 11

	Lablespace detaulty Physical	Related Tablespaces/ Datafiles	97.5	F Datafile Size Coperating		Database	阿斯特斯斯
atus	nents 🖅	Relationship		(VIB)			Location
Ou-	Data only - No	PSADX/Index	/files5/oradata/IP	100	HP-UX	IPSA01	The state of the s
Line	indexes	tablespace	SA01/IPSA01ipsa		10.2		
			dat01.dat			-	
On-	Index only	IPSADAT01/data	/files4/oradata/IP	20	HP-UX	IPSA01	-
Line		tablespace	SA01/IPSA01idx		10.2		•
			01.dbf				
-io		ALL	/files1/oradata/IP	09	HP-UX	IPSA01	
Line			SA01/IPSA01syst		10.2		
			em01.dbf				
On-		ALL	/files3/oradata/IP	20	HP-UX	IPSA01	
Line			SA01/IPSA01tmp		10.2		
			01.dbf				
On-	Contains the 4	ALL	/files2/oradata/IP	30	HP-UX	PSA01	
Line	rollback segments for		SA01/IPSA01rbs		10.2		
	the database		01.dbf				

Figure 12

	Elements	2,000	2,500	5,000	10,000	20.000	50.000
	Average Metrics/Element	10	10	9	10	5	10
	Poll Frequency	100	100	100	100	100	100
	Detail Data Retention	40	4	40	40	40	40
	Daily Rollup Data Retention	400	400	400	400	400	400
4 15 T.C.							
	Detail Records/Day	2,000,000	2,500,000	2,000,000	10,000,000	20,000,000	. 50.000.000
-	Total Detail Records	80,000,000	100,000,000	200,000,000	400,000,000	800,000,000	2.000.000.000
_	Daily Rollup Records/Day	20,000	25,000	20,000	100,000	200,000	200,000
	Total Daily Rollup Retained	8,000,000	10,000,000	20,000,000	40,000,000	80,000,000	200,000,000
	Total Records	88,000,000	110,000,000	220,000,000	440,000,000	880,000,000	2,200,000,000
- 140 cell	The Total Space Trable (bytes)	ではいる。					
	ELMNT_LOC_TB	000'06	112,500	225,000	450,000	000'006	2,250,000
		204,000	255,000	510,000	1,020,000	2,040,000	5,100,000
		208,000,000	260,000,000	520,000,000	1,040,000,000	2,080,000,000	5,200,000,000
	PERF_FACT_TB	3,280,000,000	4,100,000,000	8,200,000,000	16,400,000,000	32,800,000,000	82,000,000,000
		1,285,632,000	1,285,632,000	1,285,632,000	1,285,632,000	1,285,632,000	1,285,632,000
_	PERF METRIC TB	1,638	1,638	1,638	1,638	1,638	1.638
district.							
	Total Space Needed (bytes)	4,773,927,638	5,646,001,138	10,006,368,638	18,727,103,638	36,168,573,638	88,492,983,638
	Total Space Needed (MB)	4,662.04	5,513.67	9,771.84	18,288.19	35,320.87	86,418.93
			!				

Figure 13

	and the same of th				
企业工程和 建设置的		A LEGISTRA	1711		
Bridge A - State of the State o			ColumniSize		Space Used/Row
Table 3.7. Control	Column	Data Type		Rowigizei(bytes) Elay (bytes)
ELMNT_LOC_TB	ELMNT_LOC_CD	Varchar2(5) Varchar2(30)	6 31		
	ELMNT_CITY_NM ELMNT_STATE_DBRV	Varchar2(2)	3	43	45
	CONTRACTOR OF THE PROPERTY OF	Valcitatz(z)			NATIONAL CANODISCANISM
EVENT_CD_TB	EVENT_CD	THE RESIDENCE OF THE PERSON AND ADDRESS OF THE PERSON ADDRESS OF T	Control Control (Control Control Control	MANAGEM TO COOK TO SECOND STATE OF THE	Control of the Contro
EVENT_65_15	EVENT_STRING				
	EVENT_AVAIL_TYPE				
	EVENT_PAIR			3	11
的關於別談例如於如此	(科技)的不同型域。对于 统	的企為結構開	地位的物种主要	2800年代表記	"别是我们的现在分 数"
EVENTS_FACT_TB	ELMNT_KEY_CD	Number(10)	7		
	PERF_TIME_KEY_CD	Number(10)	7		
	EVENT_CD				
	EVENT_DURATION				
	EVENT_SEVERITY			47	40
NAME OF THE OWNER OWNER OF THE OWNER OWNE	EVENT_CLASS		WINDSHIP BY A PROPERTY	17	19
NETWORK ELANT TR	ELMNT KEY CD	Number(10)	7	(Best Attendance trans	
NETWORK_ELMNT_TB	ELMNT_KEY_CD	Varchar2(20)	21		
	ELMNT_TYPE_CD	Varchar2(2)	3		
	ELMNT_VNDR_NM	Varchar2(30)	31		
	ELMNT VNDR MDL	Varchar2(20)	21		
	ELMNT_VAL_DT	Date	8	*	
	ELMNT_LOC_CD	Varchar2(5)	6	100	102
	FORTHER SOLVEN AND A 12	网点的证据 证证	的政策的。但是自己的	era pre completa	
PERF_FACT_DAILY_TB	ELMNT_KEY_CD	Number(10)	7		
	METRIC_KEY_CD	Number(10)	7		
	PERF_TIME_KEY_CD	Number(10)	7		
	DLY_MIN_AMT				
	DLY_MAX_AMT				
	DLY_MEAN_AMT DLY_MEDIAN_AMT				
	DLY_STDDEV_AMT			24	26
HEALTH TO THE RESIDENCE OF THE	NA ZPORTACION	ZONES ASTRONOS	BOOT THE BOOK AND	e per 102 e 200 e 11	NO TOTAL PROPERTY OF THE
PERF_FACT_TB	ELMNT_KEY_CD	Number(10)	7		
, 2 , , ,	PERF TIME KEY_CD	Number(10)	7		
	METRIC_KEY_CD	Number(10)	7	•	
	PERF_METRIC_VAL	Number(25,5)	15	39	41
CONTROL DOMINATION OF THE PROPERTY OF THE PROP	西海岸地区活动和	NEW PROPERTY OF THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TO THE PERSON N		And the views	
PERF_METRIC_TB	METRIC_KEY_CD	Number(10)	7		
	METRIC_NM	Varchar2(30)	31		
	METRIC_SRC	Varchar2(20)	21		
	METRIC_INS	Varchar2(30)	31	424	126
names and and the same same same same same same same sam	METRIC_SUB_INS	Varchar2(30)	31	124	KYYSKY BET BYYLLWYK
PERF_METRIC_TIME_TB	PERF_TIME_KEY_CD	Number(10)	7	BREEDELN GATTERY TARE	FIRE ENGINEERING WIND COMPANY OF AN
LEVE METRIC THAIR TO	PERF DT	Date	. 8		
•	PERF_DAY	Number(2)	2		
	PERF_MON	Number(2)	2		
	PERF_YR	Number(4)	3		
•	PERF_HOUR	Number(2)	2		
	PERF_MIN	Number(2)	2 2		
	PERF_SEC PERF_DOW	Number(2) Varchar2(9)	2 10	370	372
	FERF_DOW	varuiaiz(3)		<u> </u>	

Figure 14

	Time to boad Fine to bo	Para Para	Number of Particular of Partic	Amount of data (MB)	Comments
mpty Table	00:04:32	00:30:12	1,048,576	35	
15mill owsjin table	00:06:29	00:32:57	1,048,576	35	Index was 10 MB larger for conventional load. This suggest some degree of fragmentation occurred during load which would require weekly index maintenance
Empty. Table	00:14:49	01:31:47	3,145,728	106	
2 mil- rows in- itable ∄	00:08:49	00:35:49	1,048,576	35	Index was 30 MB larger for conventional load. This suggest some degree of fragmentation occurred during load which would require weekly index maintenance
Empty	00:30:10	03:05:24	6,291,456	212	
3mil rows.in Atable	00:22:52	01:33:15	3,145,728	106	Had to increase the size of the index tablespace in order for the new index and the old index to merge at the end of direct load.

Figure 15

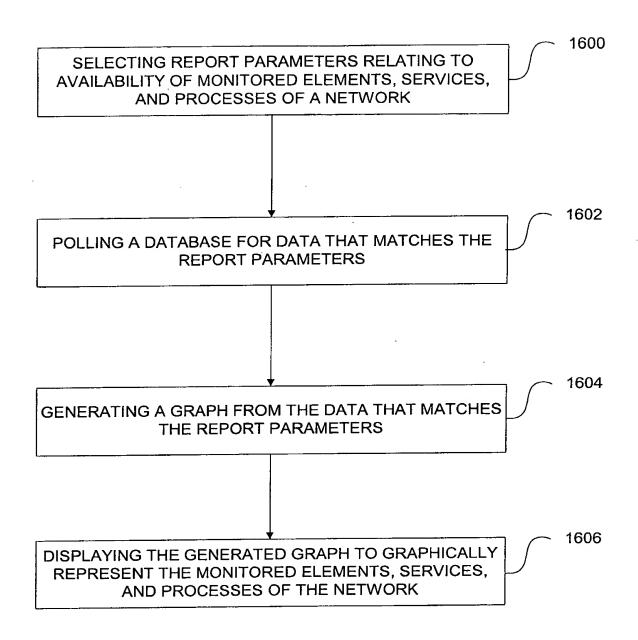


Figure 16

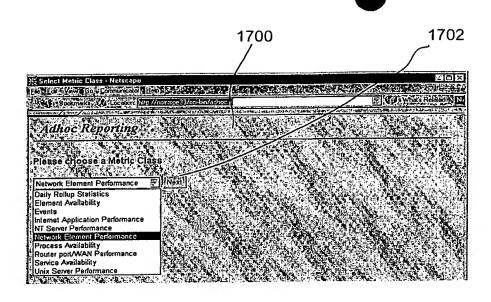


Figure 17A

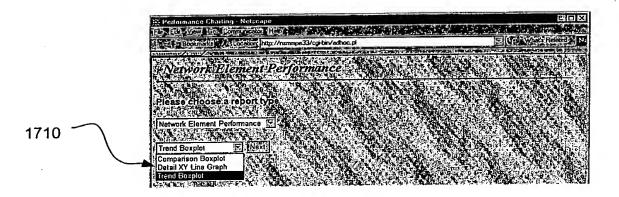


Figure 17B

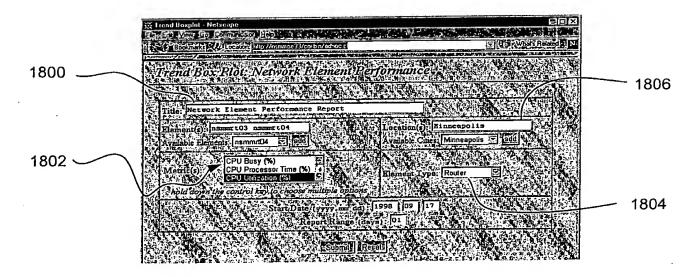


Figure 18

Figure 19				-	-	_							
Notes 1. The Object and Report columns list at the daily	Vibility record house received				\parallel								
2. The lotal number of daily batch reports is listed	In the column Batch Report Oty		-	$\frac{1}{1}$	-		1		Contract of the Contract of th				
 Exchibition report is one of seven Centerte Report Types detailed on sheet 2. Dels collection reculantaris others by each most of each for forms and Delmi masters. 	conf Types detailed on sheet 2		+	+					क क्वांतिक विक्रिक				
5. The reports merked with and estack (*) are ex	odovel for Phase 2				+		1		Continuity of the Continue of				
					H								
1						_	_						
ission	Report	Generio Report type	Graph type y sale u	Į	y axfs range units	x axis range	ě	Batch report requirements	Carpospor	SNMP metrics	Patrol metrics	Petrol Collector	MccMin Precision
Router, Chec 7500	CPU Utitzation Deby Detail	Doty delet head to anomal	3 my line %	9-100	PO.		24 222 12	Two router, reports daily 2/86/2016-	OptiBits (/JPercent)	busyPer	4×2	N/A	
			Ī	- 5		1		On report de?/, comparing two)					
	CPU Utilization Trend	Monthly band bengrammen	Postorio (9-10	deye 0	П	30 3052 1	Two house	Outras Parcert Manual Land	busyPer	NA NA	NA	
	Do de Guandani							8.					
		THE PERSON NAMED IN	ii ii		St elements hours		7.		WW.	¥.	NA	NA	
		1000	_		-		2			finOctacls,		48	
Router Interfaces / WAN	Interface Utilization Daily Datel	Devocation releases	xy Inc.	9-100	hour		2 Pro rough		الانترام والعنظ الانتخار	fOutOctats,	VIV.	-	_
					-		3,	A STATE OF		thOctects,			
	Interface Utilization Trend	TOTAL STREET	bogoid	9-100	den			ALC: N	Plant of the Control of the Control	TSpeed	<u> </u>	A/A	
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	Prierface UNization Daily Detail	Dely detail in sub-objects	y Ere	packwis/sac 0-473	P	2			Interfece Of Text Co. (4) St. (4)	Dane of Speed	WA	NA	
										Imodelts. IfOutOctets.			
		Davidey trans	Part of	일.	Ŧ	1	200	Folic Interface trend reports, dathy	Marked Universities	(Speed	N/A	N.A	
	Response Time Trend"	Monthly frend 24 color	bospici sec	Peccada 0-67	0-fiSpeed days		2 8	O Leave Company of the Company of th		A'A	NA NA	NA NA	
Debt nervers		Woman and Address of the Control of			П		1	THE SHOP SHOW THE RESERVE AND ADDRESS.				1	
	CPU Udization Trend	Monthly Ingred With Late Col.	t beauty	* *	2 2	+	7. 6	One server report daily 6-193-18-71.	Cpt/Ultzakon/Percent Ignamina	NA	CPUCANI	VMCdI	O/100 - # ###
	П	Daily delet New Assessment	A-y Sine by				1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	One server report carly znamens			MENERALIER	VACOR	0100 - B state
	ı	Monthly frend War 20 Vest	Parties De		Q S		30	One server report delly (kettlede)		NA	MEMFreeMem	VMColl	V* - 8.EFF
	1	Mayday bend water - and	× 10000	1	T	+	1	One terver report daily like selection			NETPacketsh, NETPacketsOut	NETCAL	Dr. # tan
	Data Percent Busy Dath Dated			- 2				One serve report day, showing					
	1	The Research		3	~		1	One server report daily showing	DOMEST PROPERTY	NA	DSKPercentBusy		O/100 - 8 #89
	Disk Percent Buny Trend	Section of Lond Lines	P bought	918	S N		30	wodaka Shaker Charles	Podemysera	NA	DSXPercentBusy		0/100 · 8.888
	Units Exceptions	Day execution spectrum).		elements of e	tements hours	=	,	Con mon day should be	Visit Constitution of the	17.47		1	
MT servers	1	A COLUMN TO SERVICE SE		ď			Sales S	AND PROPERTY OF SECURITY OF SE					
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		ALC: UNITED BY		3	8			One (soort stally showing Page)	molecus		POpdOtsk ThrePercent	PDPhysicalDiskColl	Q/100 - 8,800
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	Network Availability Spectrum*	Daty evelability specificants spectrum		eferments all s	all elements ho.		2		É				
Internal Berybee (fault mornt)	Process Availability Ser Charl		7340	2	,							Y)	WA
	Ι.			Γ			3	A STATE OF THE STA		Y X	ZA	N/A	NA
		Lony Systematics Spectrum		processes all	A processes hours	=	2	One report enough 519P appe	70	N.A	NA	NA	NA
	Service Availability Bar Charl	Day or dead by bar chart	200	9	٦	services of service		One report showing 5-15P experi	Make the state of	¥2	NA	N.A	W.A
	Service Availability Spectrum	Dony eventously up them		services of	anythes ha		12			1			
	Service Committee Control		Ī			line Tames		Gregoridaly thousing as			The second	10 To	
Internet Services (performance mgmt)*	FTP Response Time Daily Detail	Desy details and seem	as as as	seconds 0-m	4	NO.	>20	One report daily 150 - 150 and 100 cm	pResponse Time / Seconds	Y.N	(A) A Company of the	A ANGEL OF THE PARTY OF THE PAR	CIA CALL
	SMTP Response Time Cally Data!	Dolv de die State Contractor	Mary Park		0-max vatue		D. Carrie	One report delly enter report and	/ htpResponse ime i Seconda mengament	MA	П	(hpMonttor	
	SMIP Response Terre Trend"	Monthly transitives	V bospiol M	13	O-max value	-	1000	Overnool dely 12% of the second	Sytu Resonatina Seconismental	NA NA	Н	smplikortor	
	NATP Reponse Time Daily Detail	Manual And Address of the Control of	led New Bra	Π	D-frame yeaken		022	MAYES O One report daily 74-cht/happendades	MunRecones Imat Becond the	KA.	mypResponse Tene	mipMonto	
	HTTP Response Time Delty Detail*	Daily detel over the sale	W P-V Pre	H	MX VOCA	1	0 10	Oversion daty 4: C. Vall August	Michaepone Imel Seconds Inc.	N/A	nntpResponseTime	mipMenttor	
	HTTP Response Time Trend*	Monthly trend #05,230,000	N porceod	Н	BK VZB/38		97(4)	One report daily to enecycle system	Http://deportsellmeiSecondellme	YN 1	httpResponse Time	MtpMontor	
			+	\dagger		Total	5						

1. "Object" may refer to an element, process, or service. Generic Report Type Graph Type Caph T					
bjec iso					
bjects	ervice.				
, N Sub-objects	Description	Scope	X-axis	X-axis	Y-axis
, N Sub-objects			Units	Range	Units
, N Sub-objects	Shows all samples of a single metric from a single 1 object, 1 Hours & object over one day metric minutes	1 object, 1 metric	Hours & minutes	24 hours	Metric value
	of n a	n objects,	Hours &		o i i
	Compared distributions of	וופווור	camilli	SIDOI 57	Metric value
		n objects,			
		1 metric	Objects	n objects	Metric value
Monthly Transl	Shows changes in distributions of a single	1 object, 1	<i></i>	30 4200	Cillos Ciacon
MOINTING DOXDIO		2 2	Days	oo days	Metric value
	Compares percent availability for multiple services or objects for one 1	n objects, 1			
Daily Availability Bar Chart Bar graph	day	availability	Objects	n objects	Percent
Daily Exception Spectrum Spectrum	Shows exceptions for multiple objects as points over time.	n objects, n exceptions minutes	Hours & minutes	24 hours	Objects
	Text list of all events over one day, with columns for	n objects,			
Daily Exception Text Report Text list		n exceptions	N/A	N/A	A/A
	Shows up/down status as a continuous color-coded linearest time: rad-design	n objects,			
Daily Availability Spectrum* Spectrum	green=up.	availability minutes	minutes	24 hours	Objects

Figure 21							
1st Menu choice		3rd menu choice	4th menu choice	5th menu choice	6th menu choice 7	7th menu choice (Metrics(s)	Metrics(s)
Select Metric Class	Select Report Type	Select Element(s)	Select Location(s) Select start date		# of days		
default	WA	ali	all	yesterday	-		
Element Availability	Percent Availability Bar Graph	<element name=""></element>	<element location=""></element>	<start date=""></start>	<days></days>		NA
Service Availability	Percent Availability Bar Graph <element name=""></element>	<element name=""></element>	<element location=""></element>	<start date=""></start>	<days></days>	<service></service>	WA
Process Availability	Percent Availability Bar Graph <element name=""></element>	<element name=""></element>	<element location=""></element>			<pre> cprocess></pre>	WA
Events	Exception Spectrum	<element name=""></element>	<element location=""></element>	<start date=""></start>			NA A
Network Element Performance	Detail XY Line Graph	<element name=""></element>	<element location=""></element>	<start date=""></start>	<days></days>		Cpu Utilization (busyper)
	Trend Boxplot	<element name=""></element>	<element location=""></element>	<start date=""></start>	<days></days>		Cpu Utilization (busyper)
	Comparison Boxplot	<element name=""></element>	<element location=""></element>	<start date=""></start>	<days></days>		Cou Utilization (busyper)
Router port / WAN Performance	Detail XY Line Graph	<element name=""></element>	<element location=""></element>	<start date=""></start>	<days></days>	<instance></instance>	Interface Utilization (film/OutOctects)
	Trend Boxplot	<element name=""></element>	<element location=""></element>	<start date=""></start>	<days></days>	<instance></instance>	Interface Utilization (film/OutOctects)
	Comparison Boxplot	<element name=""></element>	<element location=""></element>	<start date=""></start>		<instance></instance>	Interface Utilization (IfIn/OutOctects)
Unix Server Performance	Detail XY Line Graph	<element name=""></element>	<element location=""></element>	<start date=""></start>		<instance></instance>	Cpu Utilization, Memory Utilization, Network Utilization, Disk Percent Busy
	Trend Boxplot	<element name=""></element>	<element location=""></element>	<start date=""></start>	<de>>></de>	<instance></instance>	Cpu Utilization, Memory Utilization, Network Utilization, Disk Percent Busy
	Comparison Boxplot	<element name=""></element>	<element location=""></element>	<start date=""></start>		<instance></instance>	Cou Utilization, Memory Utilization, Network Utilization, Disk Percent Busy
NT Server Performance	Detall XY Line Graph	<element name=""></element>	<element location=""></element>	<start date=""></start>		<instance></instance>	Cpu Utilization, Memory Utilization, Network Utilization, Disk Percent Busy
	Trend Boxplot	<element name=""></element>	<element location=""></element>	<start date=""></start>	<days></days>	<instance></instance>	Cpu Utilization, Memory Utilization, Network Utilization, Disk Percent Busy
	Comparison Boxplot	<element name=""></element>	<element location=""></element>	<start date=""></start>		<instance></instance>	Cpu Utilization, Memory Utilization, Network Utilization, Disk Percent Busy
Internet Application Performance*	Detail XY Line Graph	<element name=""></element>	<element location=""></element>	<start date=""></start>			Response Time
	Trend Boxplot	<element name=""></element>	<element location=""></element>	<start date=""></start>	<days></days>		Response Time
	Comparison Boxplot	<element name=""></element>	<element location=""></element>	<start date=""></start>	<days></days>		Response Time
Dally Rollup Statistics	Detail XY Line Graph	<element name=""></element>	<element location=""> <start date=""></start></element>	<start date=""></start>	<days></days>	<metric name=""></metric>	<re></re>

busyPer sche IfinOctets inter IfinOttects chai	Provides the percent of CPU usage over the first 5 second period in the		
	scheduler.	Router	percentage
	The total number of octets received on the interface, including framing characters.	Router Interface	octets
	The total number of octets transmitted out of the interface, including framing characters.	Router Interface	octets
An e inter	An estimate of the interface's current bandwidth in bits per second. For interfaces which do not vary in bandwidth or for those where no accurate estimation can be made, this object should contain the nominal bandwidth.	Router Interface	bits per second
CPUCpuUtil Disp	Displays the percentage of CPU utilization.	UNIX	percentage
MEMFreeMem Disp	Displays the number of pages of memory available.	UNIX	bages
NETPacketsIn Disp	Displays the total number of incoming packets within a sample interval.	NIX	packets
NETPacketsOut Dis	Displays the total number of outgoing packets within a sample interval.	NIX	packets
DSKPercentBusy requ	Displays the percentage of time that the device is busy servicing a transfer request.	XINO	percentage
OPUprcrProcessorTimePercent exe	Displays a percentage of the elapsed time that a processor is busy executing a non-idle thread.	Ę	percentage
Disj MEMmemAvailableBytes star	Displays the size of the virtual memory currently on the zeroed, free, and standby memory lists.	본	megabytes
NETniPcktsPerSec Dis	Displays the rate that the packets are sent and received on the network.	F	packets per second
Dis PDpdDiskTimePercent or v	Displays the percentage of elapsed time that the disk spends servicing read or write requests.	뉟	percentage
	Figure 22		

Detail XY Line Graph

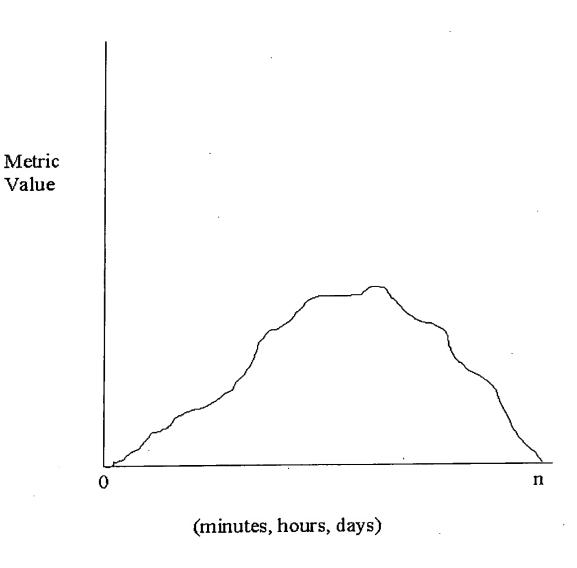
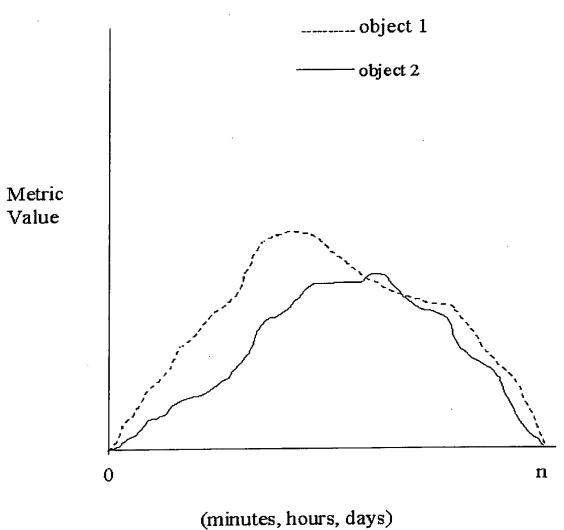


Figure 23

Detail XY Line Graph, n objects



(422224

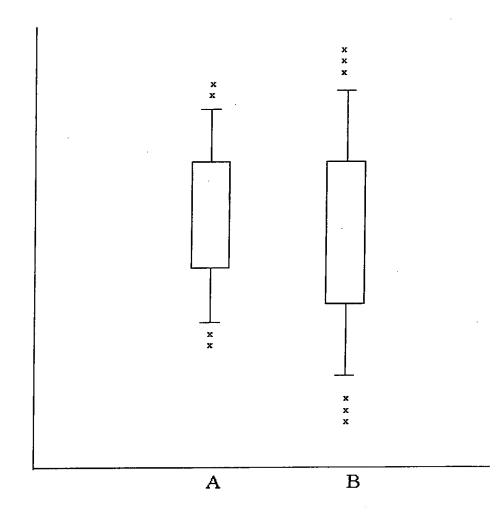
Figure 24

Metric

Value

Comparison Boxplot

Representing samples taken from: mm/dd/yyyy to mm/dd/yyyy

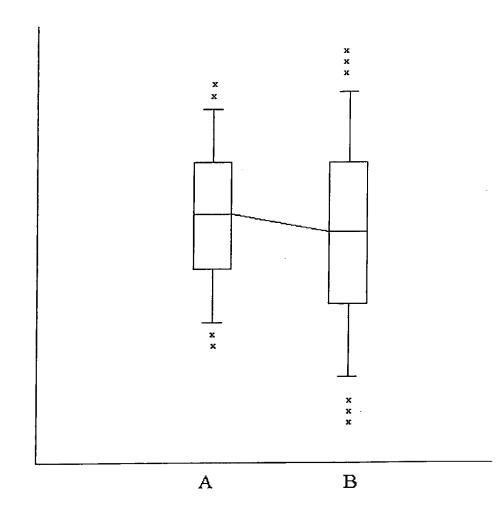


(elements, instances)

Figure 25

Metric Value

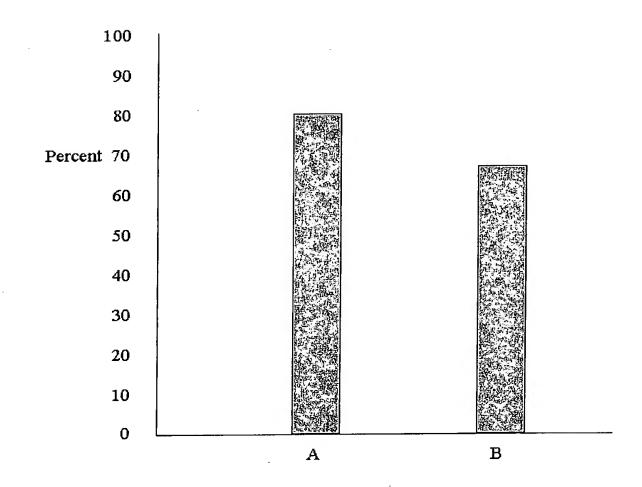
Trend Boxplot



(days, weeks, months)

Figure 26

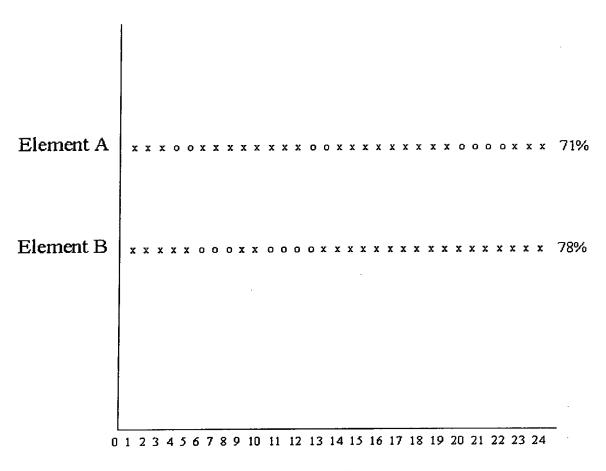
Percent Availability Bar Graph



(elements, services, processes)

Figure 27

Availability Spectrum



(hours)

Figure 28

Exception Spectrum

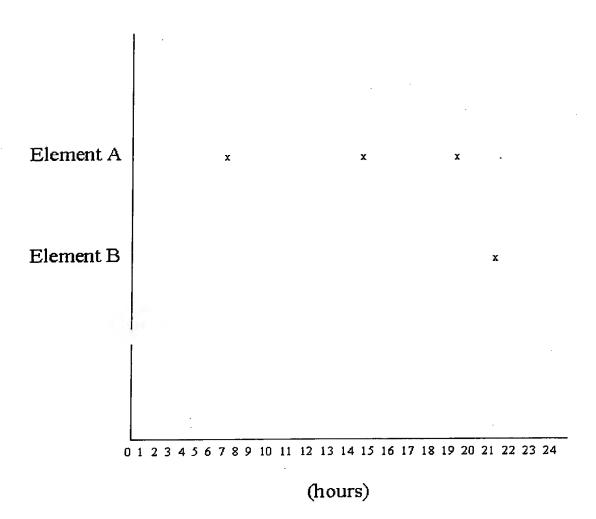


Figure 29

Exception Text Report

Date - Time	Elem	entEvent s	tring	Duration	Severity
01/12/1998 06:34	:12 nsm	mws16	CPU Utilization	on over 80%	
Critical					
01/12/1998 08:01:23	nsmmws09	Host do	wn	3:24:43 Critical	l
01/12/1998 16:54:52	twmmnt02	FTP ser	vice down	0:19:42 Critical	[

Figure 30

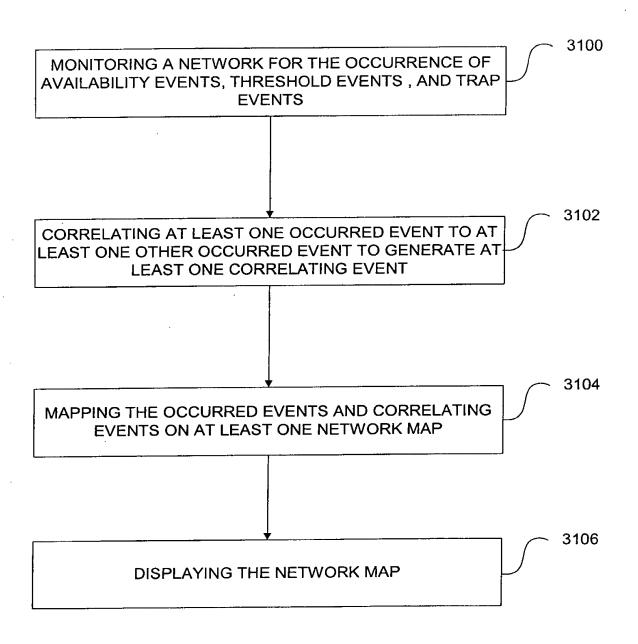


Figure 31

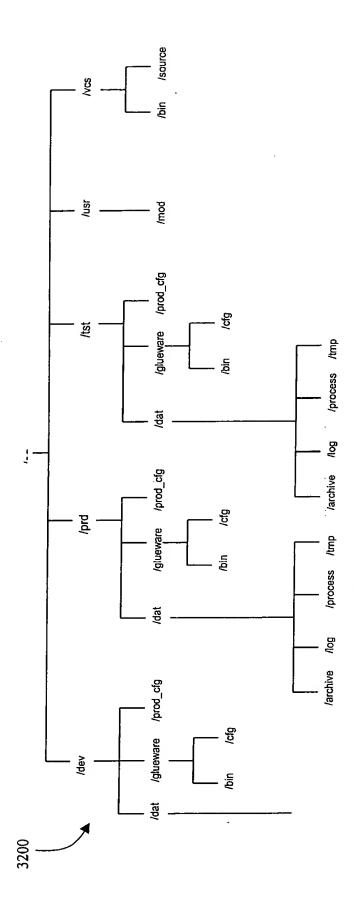


Figure 32

Directory structure will be stored on ucmmfs02

Current Settings/Valid Values

The directory /sa will be the mount point to nsmmws09, nsmmws16, and twmmdb02 Files owned by with group of twsa